

WHAT IS CLAIMED IS

1. A composition comprising:
an electroprocessed material and a substance.
- 5 2. The composition of Claim 1, wherein the material is one or more
natural materials, one or more synthetic materials, or a combination thereof.
3. The composition of Claim 1, wherein the material is a
combination of one or more natural materials and one or more synthetic
10 materials.
4. The composition of Claim 2, wherein the natural material
comprises one or more amino acids, peptides, denatured peptides, polypeptides,
proteins, carbohydrates, lipids, nucleic acids, glycoproteins, lipoproteins,
15 glycolipids, glycosaminoglycans, proteoglycans, or a combination thereof.
5. The composition of Claim 2, wherein the synthetic material
comprises one or more polymers.
- 20 6. The composition of Claim 1, wherein the substance comprises a
therapeutic substance, a cosmetic substance or a combination thereof
7. The composition of Claim 1, wherein the substance comprises one
or more molecules, cells, objects, or combinations thereof.
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8. The composition of Claim 1, further comprising placement of the
composition in a bioreactor.
9. The composition of Claim 1, wherein the electroprocessed
30 material is crosslinked.
10. A composition comprising an electroprocessed material, wherein
the electroprocessed material provides a biological effect when delivered to a
desired location in vivo or in vitro.
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11. A method of delivering a substance to a desired location, comprising placing the composition of Claim 1 at the desired location.

12. A method of delivering an electroprocessed material to a desired location, comprising placing the composition of Claim 10 at the desired location.

13. The method of Claim 11, wherein the substance comprises a molecule or a cell that will release the molecule after placement in the desired location.

14. The method of Claim 11, wherein the substance comprises a therapeutic substance, a cosmetic substance or a combination thereof.

15. The method of Claim 11, wherein the substance comprises one or more molecules, cells, objects, or combinations thereof.

16. The method of Claim 11, wherein the substance comprises a cell.

17. The method of Claim 11, wherein the location is inside or upon the body of a human or an animal.

18. A method of manufacturing the composition of Claim 1, comprising: electrodepositing one or more electrically-charged solutions comprising a material or molecules capable of forming the material onto a grounded substrate under conditions effective to electrodeposit the material or the molecules capable of forming the material on the substrate to form the electroprocessed material; and, adding the substance to the electrodeposited material to form the composition.

19. The method of Claim 18, wherein the material is one or more natural materials, one or more synthetic materials, or a combination thereof.

20. The method of Claim 18, wherein the substance comprises a therapeutic substance, a cosmetic substance or a combination thereof.

21. The method of Claim 18, wherein the substance comprises one or more molecules, cells, objects, or combinations thereof.

22. A method of manufacturing the composition of Claim 10,
5 comprising electrodepositing one or more electrically-charged solutions comprising a material or molecules capable of forming the material onto a grounded substrate under conditions effective to electrodeposit the material or the molecules capable of forming the material on the substrate to form the electroprocessed material.

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23. The method of Claim 22, wherein the material is one or more natural materials, one or more synthetic materials, or a combination thereof.

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